

CLAMP DEVICE

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Abstract

PURPOSE:To clamp an article, even if its form is inconstant and easy to be deformed, with a central part of a holding means by surrounding an article housed in a recessed part for article with multiple flexible fingers to clamp it.

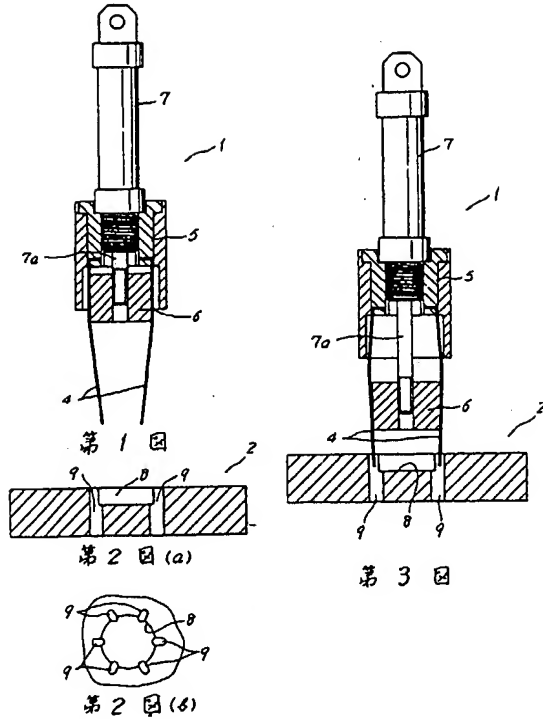
CONSTITUTION:An article such as shucked shrimp is placed in a recessed part 8 for article of a place stand 2. On the other hand, diameter of a space surrounded by each flexible finger 4 of a holding means 1 is enlarged by a push 6 driven by an actuator 7, and the holding means 1 is fallen onto the recessed part 8 for article. The tip of each flexible finger 4 is thereby engaged with each recessed part 9 for finger loosely, and an article in the recessed part 8 for article is surrounded by each flexible finger 4. Then, the push 6 is operated reversely with drive of the actuator 7, and diameter of a space surrounded by each flexible finger 4 is reduced by elastic reset. An article is thereby clamped securely with central parts of each flexible finger 4.

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4. 図面の簡単な説明

第1図は本発明の一実施例に係るクランプ装置の把持手段を示す部分断面図、第2図(a)は同様の載置台を示す断面図、第2図(b)は載置台の品物用凹部部分の平面図、第3図は針状フィングの先端をフィング用凹部に遊嵌した状態を示す説明図、第4図は品物をクランプする前の状態を示すクランプ装置の斜視図、第5図は品物をクランプした状態を示す把持手段の斜視図、第6図はクランプ装置が組込まれた焼売製造機を示す平面図である。

1…把持手段、2…載置台、3…むきエビ、
4…針状フィング、6…プシュ、7…エアシリンダ、
8…品物用凹部、9…フィング用凹部。



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